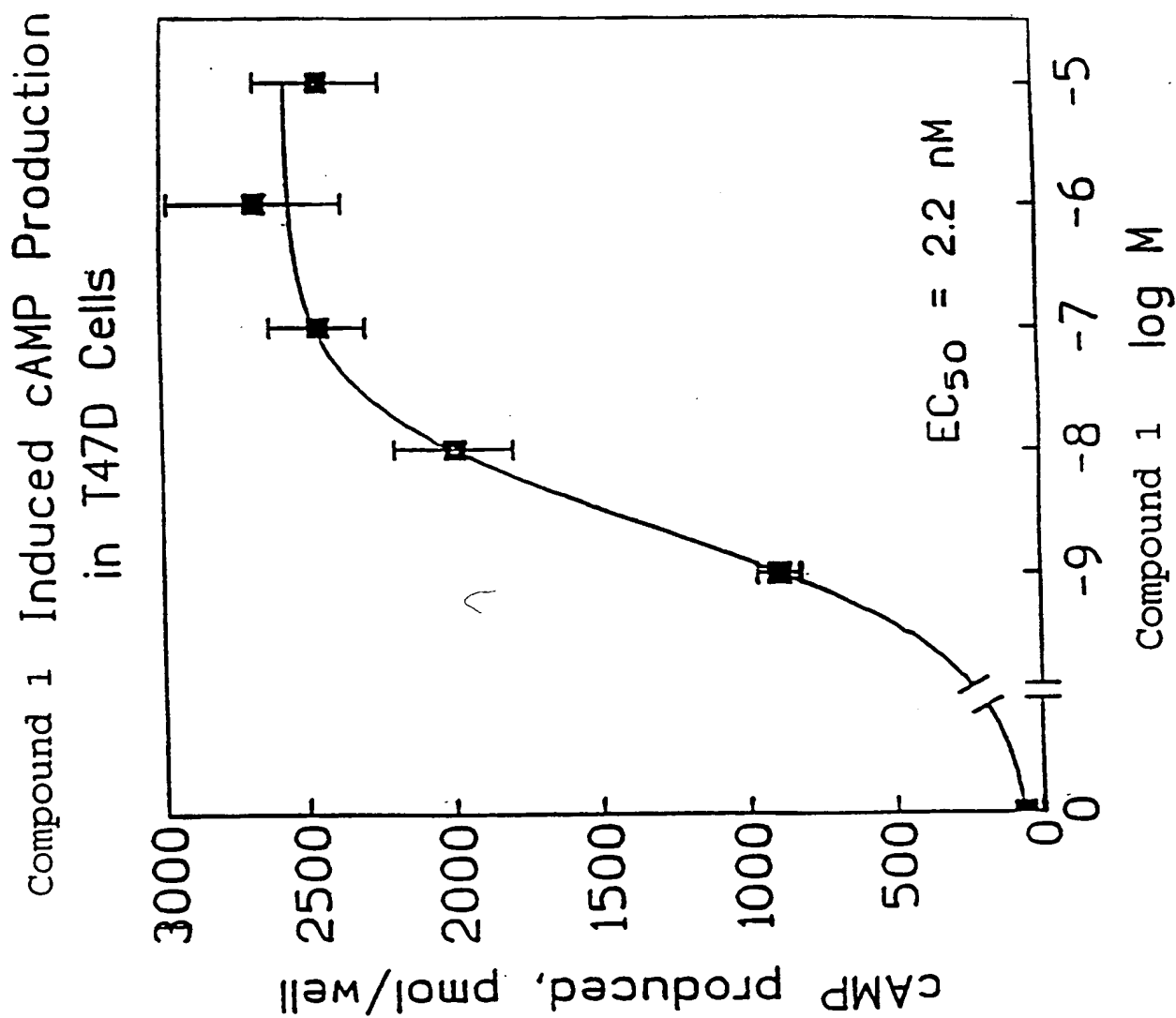


Figure 1



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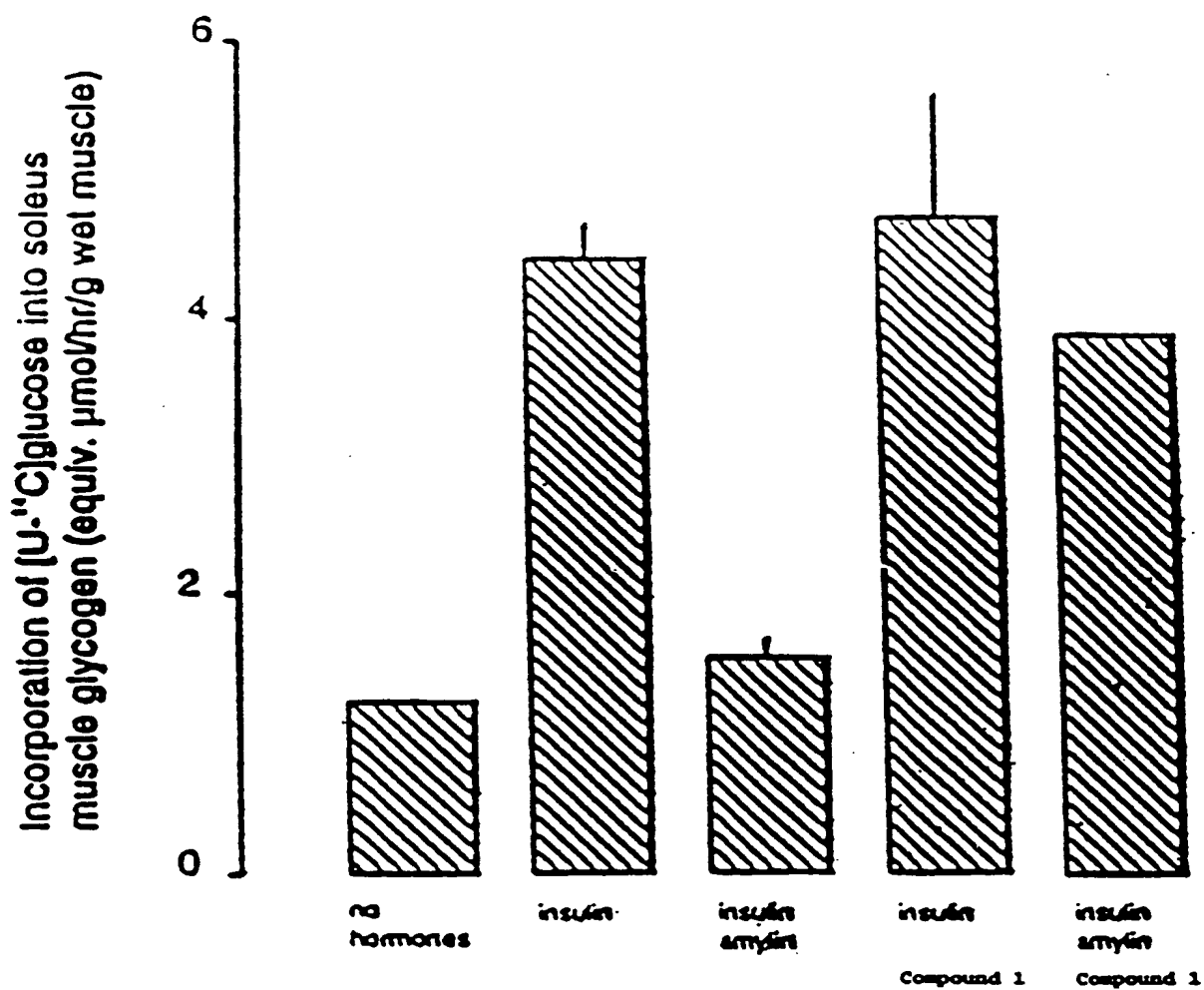


Figure 2A

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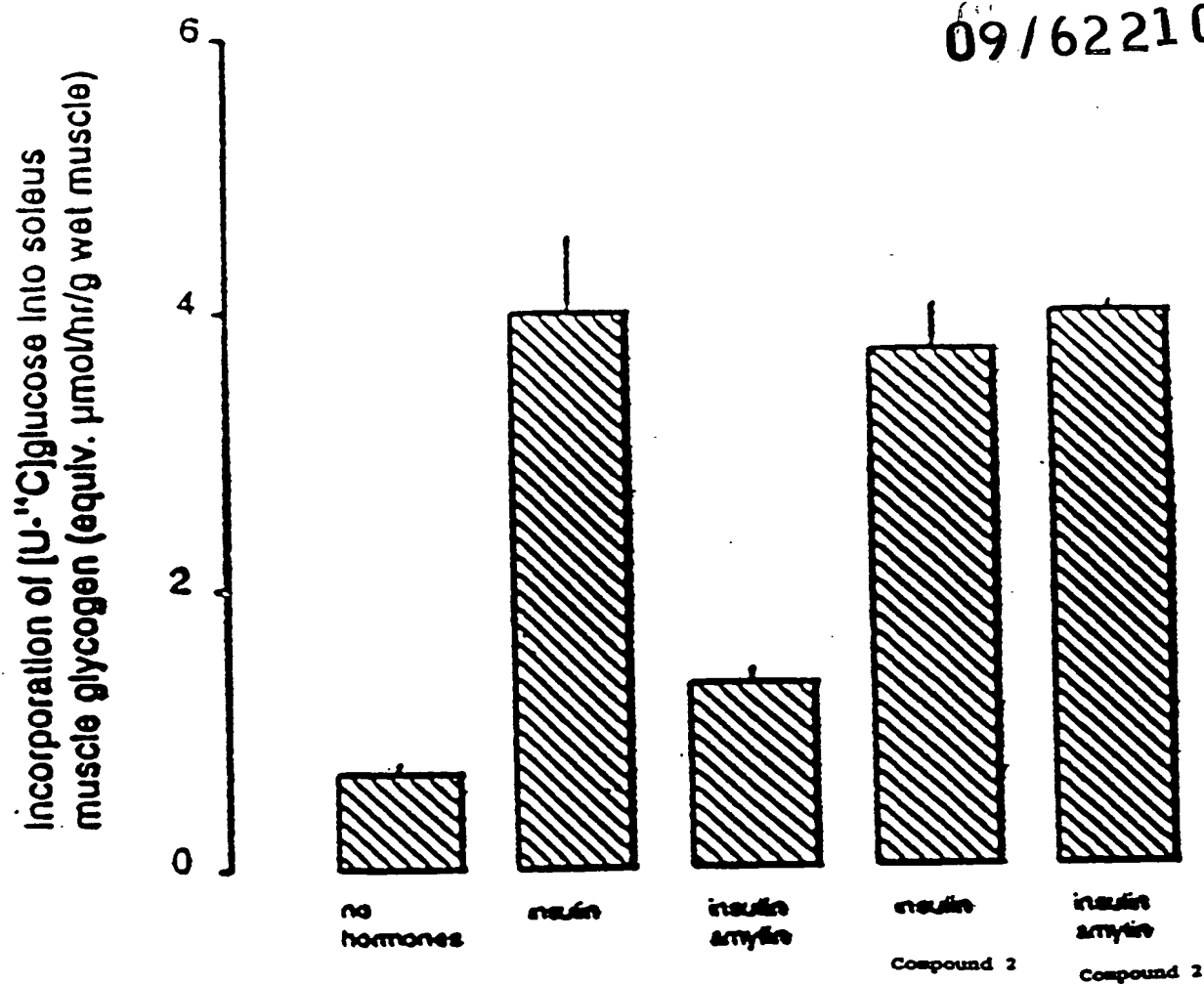


Figure 2B

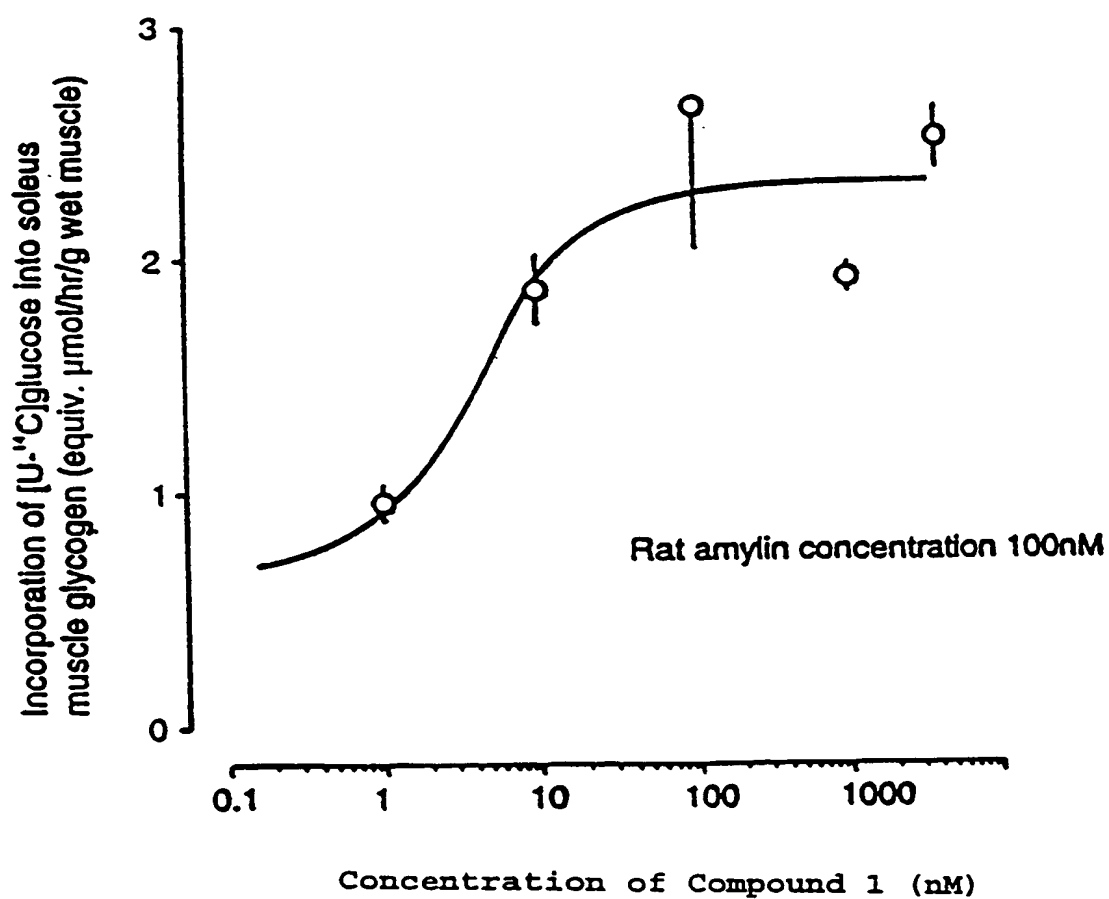


Figure 3

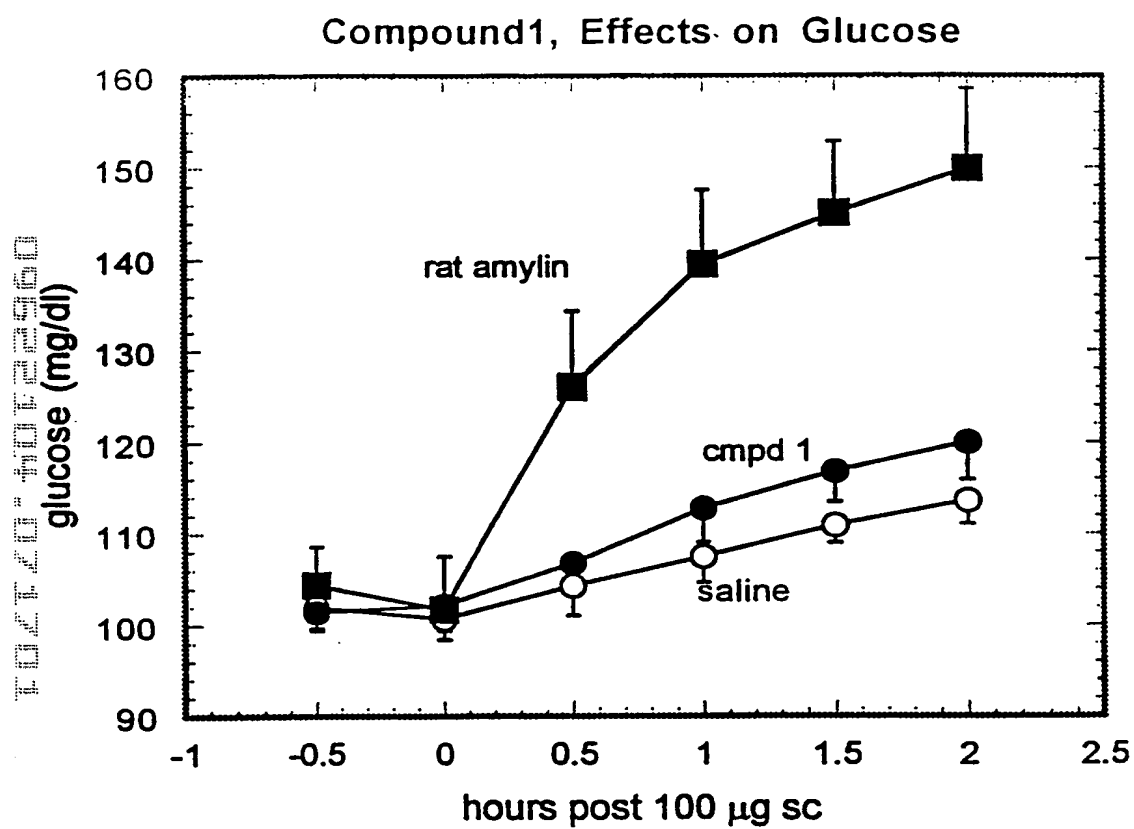


FIGURE 4A

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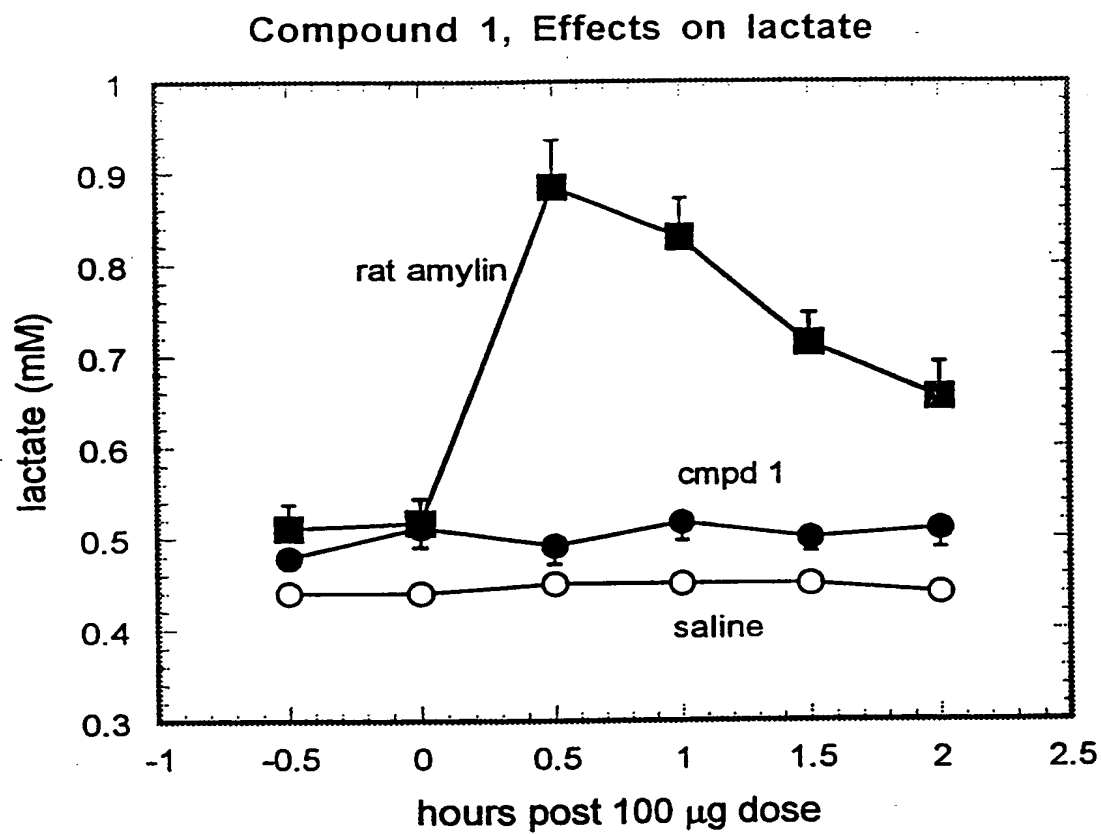


FIGURE 4B

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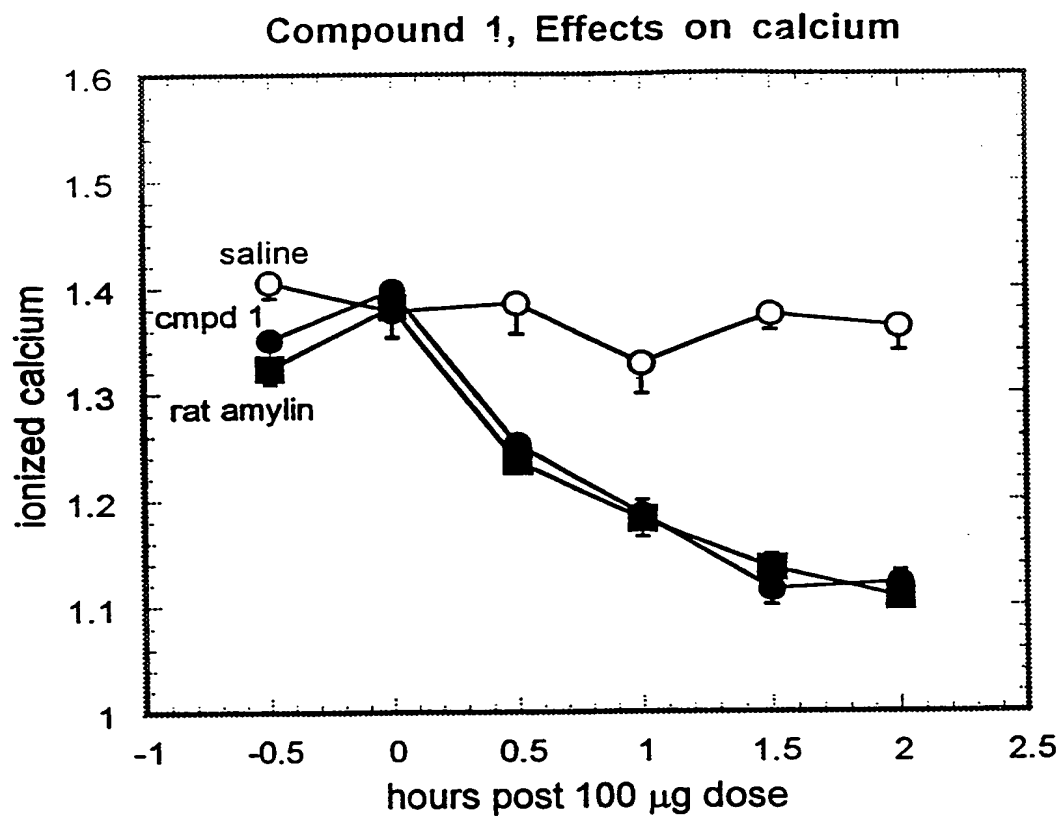


FIGURE 4C

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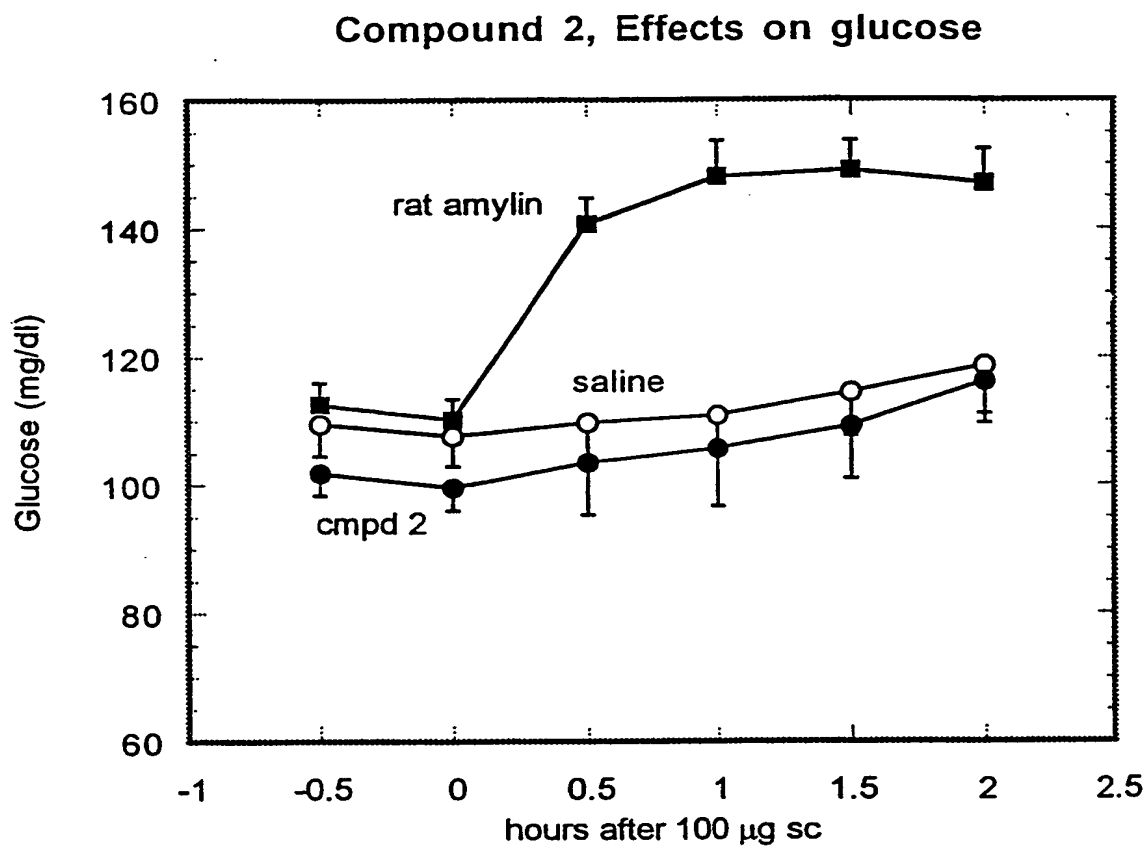


FIGURE 5A

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Compound 2, Effects on lactate

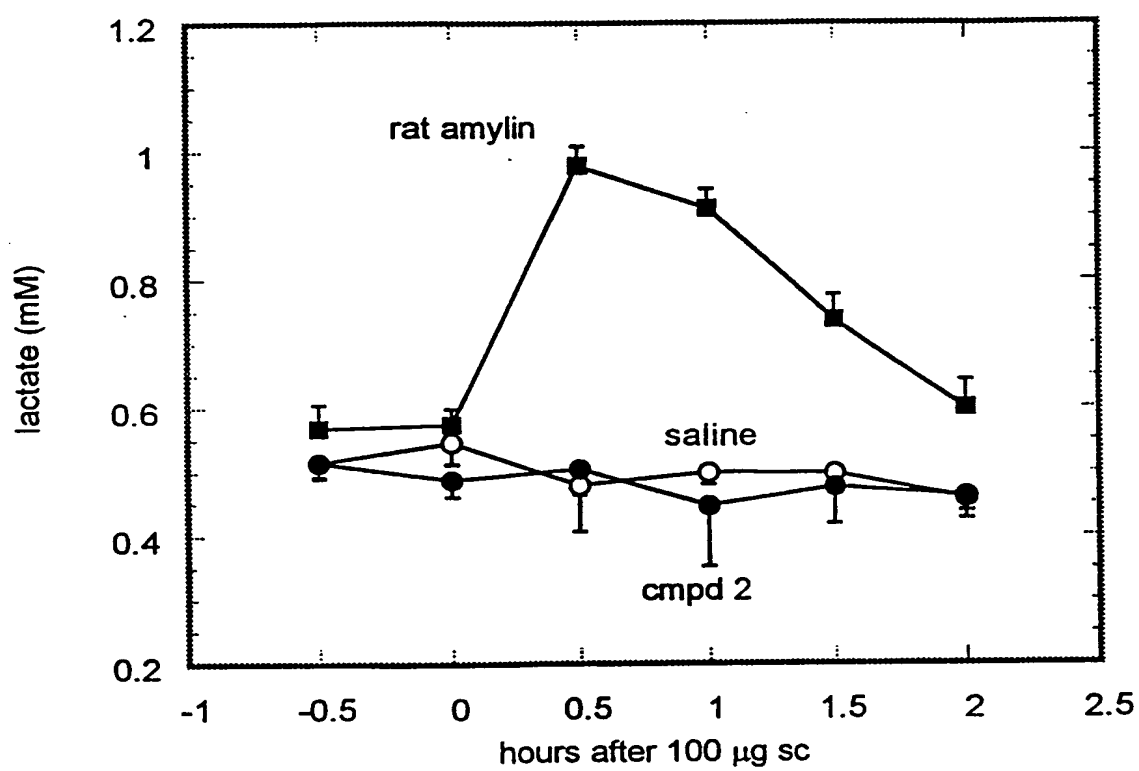


FIGURE 5B

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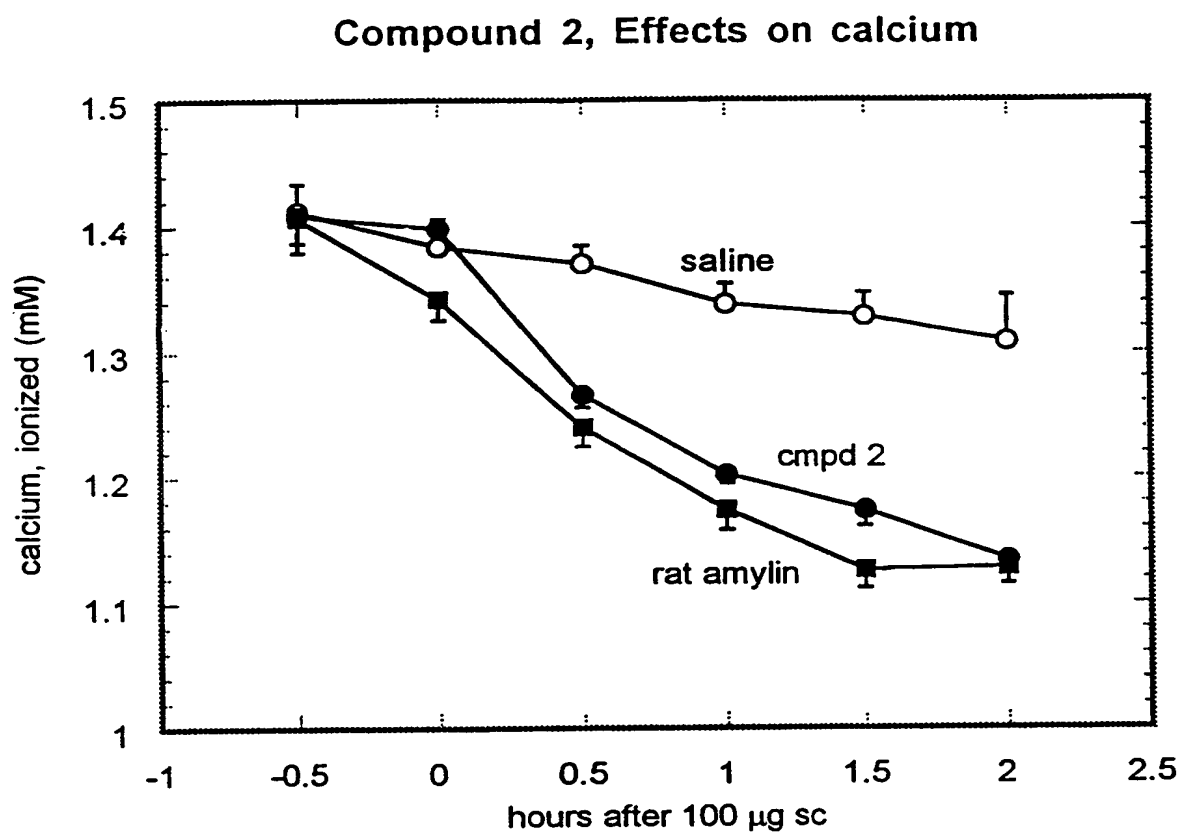


FIGURE 5C

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Antagonism of Rat Amylin Effects on Glucose

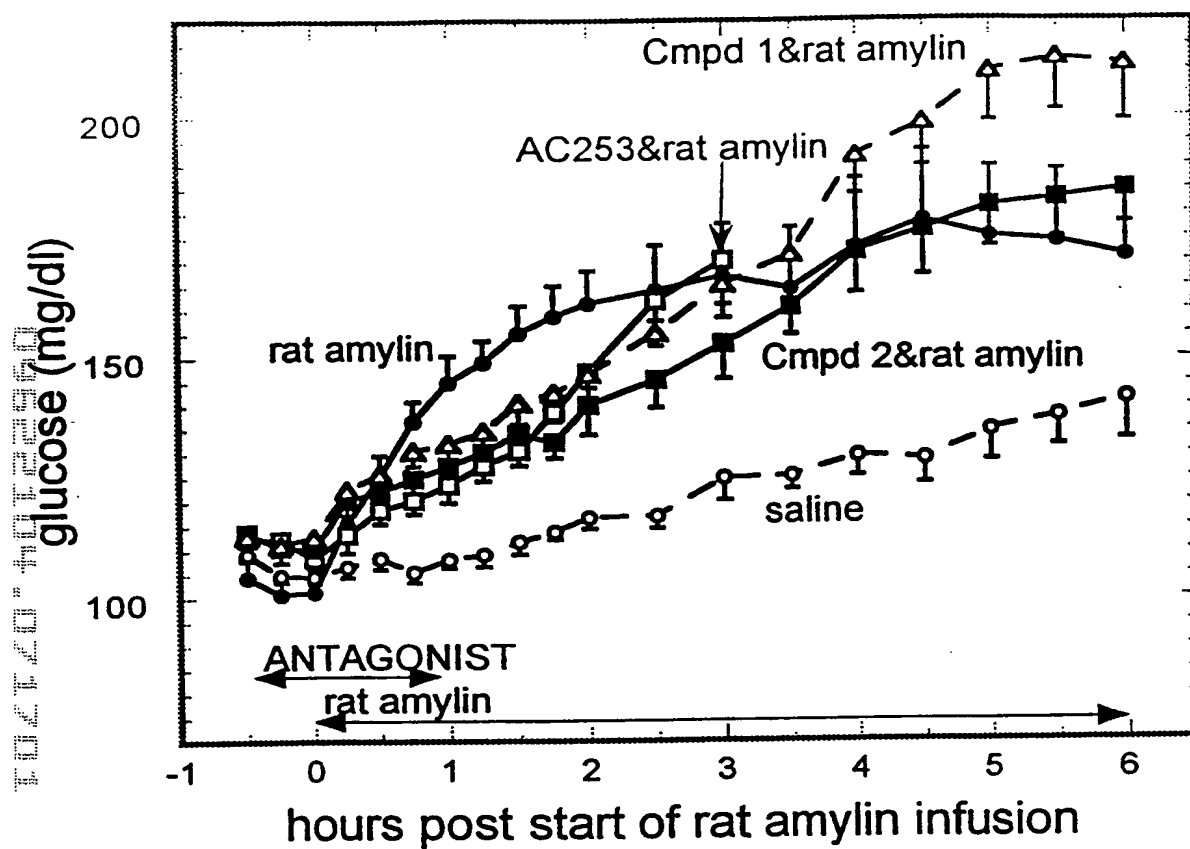


FIGURE 6A

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Antagonism of Rat Amylin Effects on Lactate

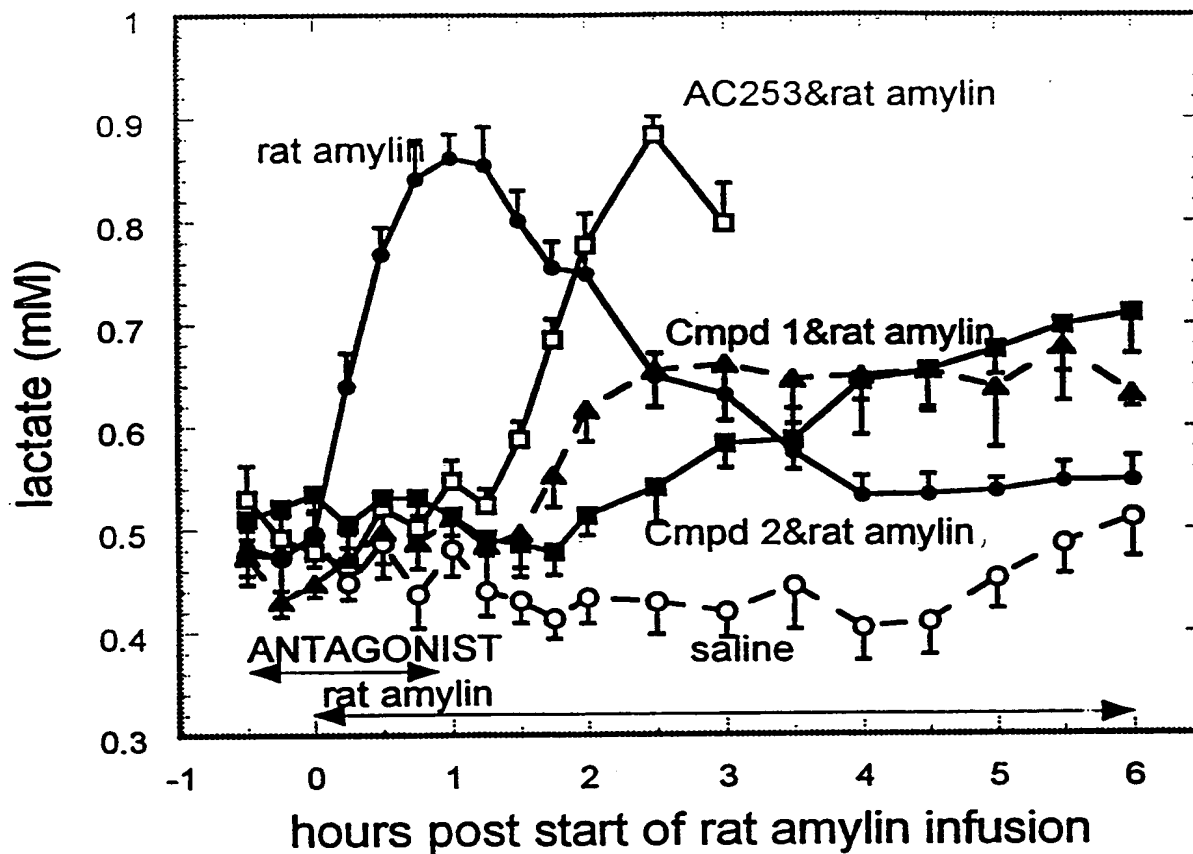


FIGURE 6B

Antagonism of Rat Amylin Effects on Calcium

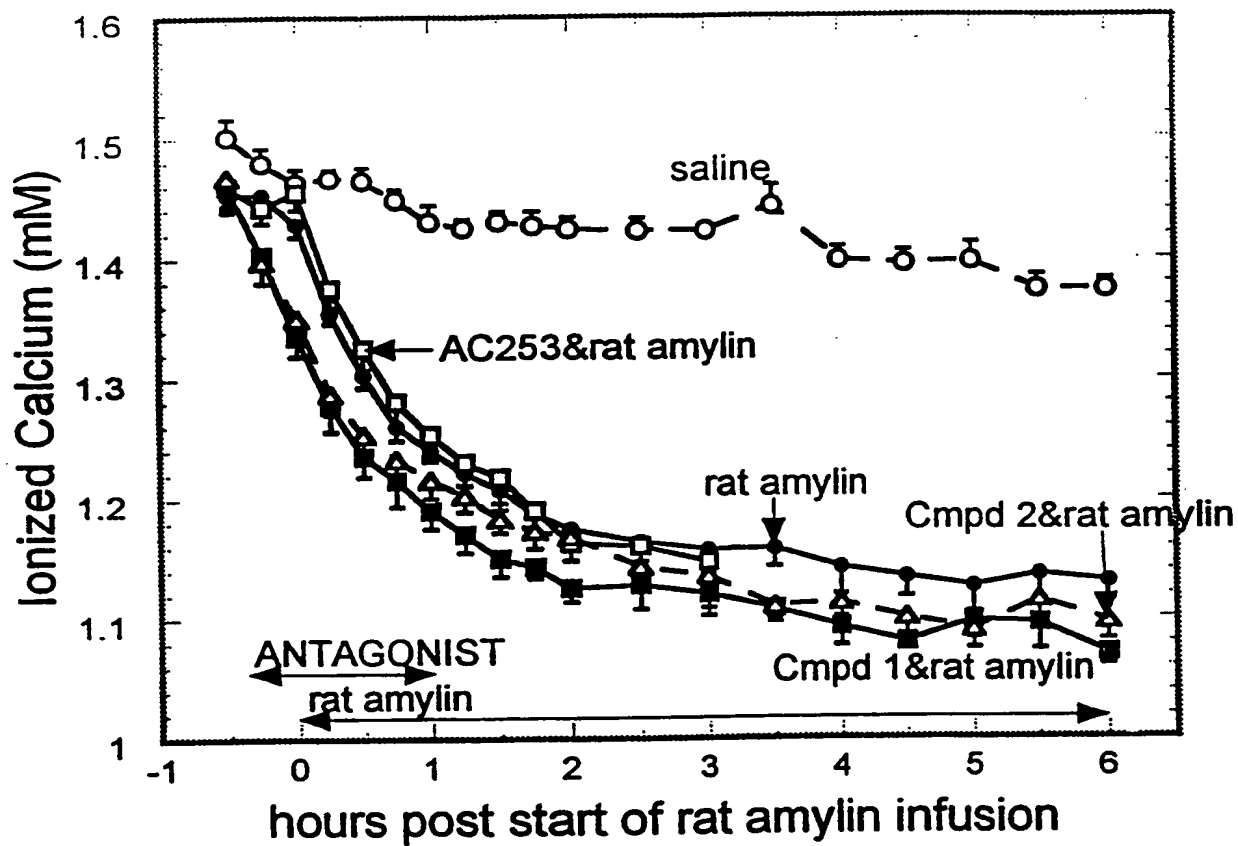


FIGURE 6C

Antagonism of Rat Amylin Effects on MAP

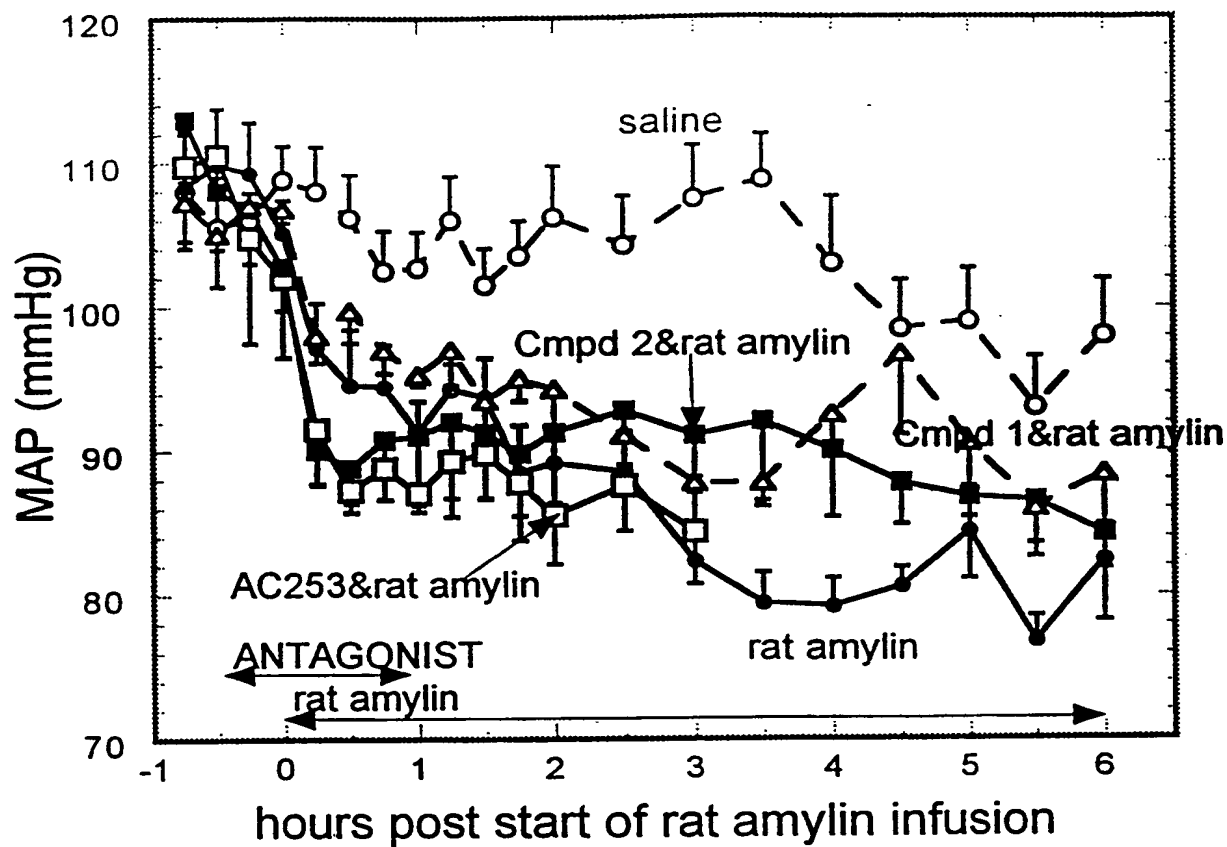


FIGURE 6D

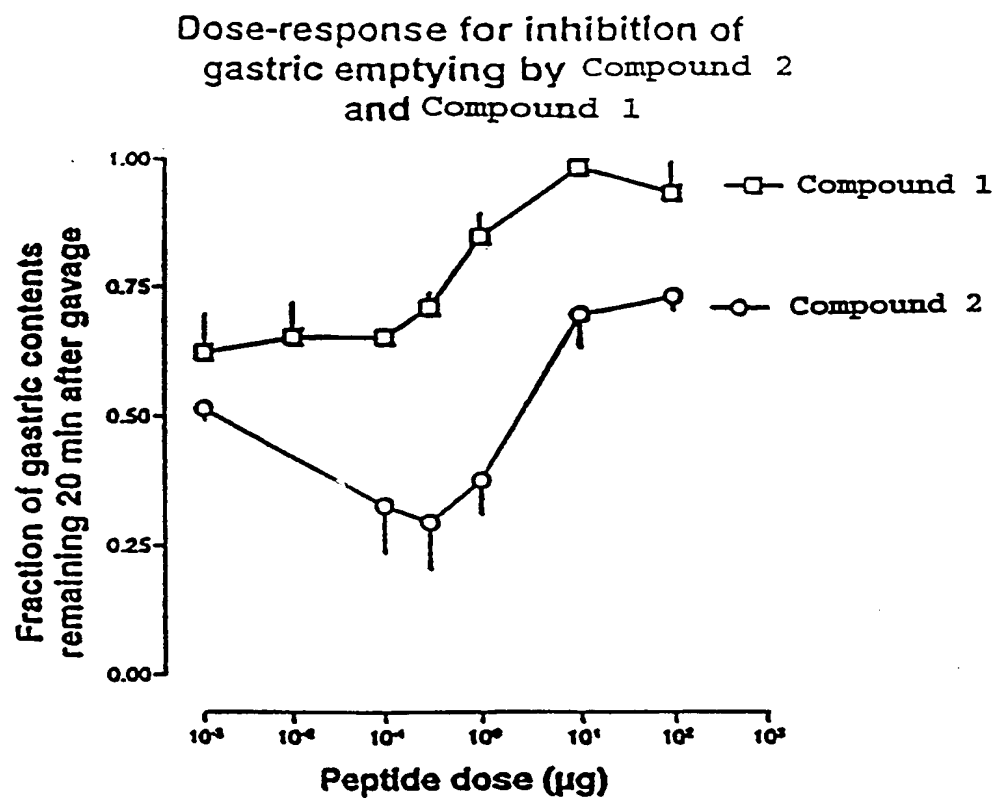


FIGURE 7

Compounds of the formula: $X_1-X_2-X_3$ -Leu-Glu-Leu- X_4 - X_5 -Leu-Gln-Thr-Tyr-Pro-Arg-Thr-Asn- X_6 -NH₂

CPD. SEQ. ID.NO.	X ₁	X ₂	X ₃	Leu	X ₄	Glu Leu	X ₅	X ₆	Leu Glu Thr Tyr Pro Arg Thr Asn	Z	MB ₁
1	Leu Ser Thr Cys Val Leu	Gly	Arg	Leu	Ser Glu	Glu Leu	His	Arg	Leu Glu Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Asn Thr Tyr	MB ₂
2	4-methylpentanoyl Ser Thr Ala Val Leu	Alb	Lys (For)	Leu	Ser Glu	Glu Leu	Alb	Lys (For)	Leu Glu Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Gly Thr Pro	MB ₃
3	Ac- Leu Ser Thr Ser Val Leu	Gly	Arg	Leu	Ser Glu	Glu Leu	His	Arg	Leu Glu Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Asn Thr Tyr	MB ₄
4	Leu Ser Thr Ala Val Leu	Gly	Arg	Leu	Ser Glu	Glu Leu	His	Arg	Leu Glu Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Asn Thr Tyr	MB ₅
5	Leu Ser Thr Ser Val Leu	Gly	Arg	Leu	Ser Glu	Glu Leu	His	Arg	Leu Glu Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Asn Thr Tyr	MB ₆
6	Ac- Leu Ser Thr Ala Val Leu	Gly	Arg	Leu	Ser Glu	Glu Leu	His	Arg	Leu Glu Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Asn Thr Tyr	MB ₇
7	Ac- Leu Ser Thr Cys Val Leu	Gly	Arg	Leu	Ser Glu	Glu Leu	His	Arg	Leu Glu Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Asn Thr Tyr	MB ₈
8	Val Leu	Alb	Lys (For)	Leu	Ser Glu	Glu Leu	Alb	Lys (For)	Leu Glu Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Asn Thr Tyr	MB ₉
9	Ac-Val Leu	Alb	Lys (For)	Leu	Ser Glu	Glu Leu	Alb	Lys (For)	Leu Glu Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Asn Thr Tyr	MB ₁₀
10	4-methylpentanoyl Ser Thr Ala Val Leu	Alb	Lys (For)	Leu	Ser Glu	Glu Leu	Alb	Lys (For)	Leu Glu Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Asn Thr Tyr	MB ₁₁
11	4-methylpentanoyl Ser Thr Cys Val Leu	Alb	Lys (For)	Leu	Ser Glu	Glu Leu	Alb	Lys (For)	Leu Glu Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Asn Thr Tyr	MB ₁₂
12	Ala Thr	Alb	Lys (For)	Leu	Ala Asn	Glu Leu	Alb	Lys (For)	Leu Glu Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Asn Thr Tyr	MB ₁₃
13	(Ac-) Ala Thr	Alb	Lys (For)	Leu	Ala Asn	Glu Leu	Alb	Lys (For)	Leu Glu Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Asn Thr Tyr	MB ₁₄

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FIGURE 9
Compounds of the formula: $X_1-X_2-X_3$ -Leu-Glu-Leu- X_4 - X_5 -Leu-Gln-Thr-Tyr-Pro-Arg-Thr-Asn- X_6 -NH₂

SEQ. ID. NO.	X_1	X_2	X_3	Leu	X_4	Gln Leu	X_5	Lys	Leu Gln Thr Tyr Pro Arg Thr Asn	X_6	NH ₂
14	Leu Ser Thr Cys Val Leu	Gly	Lys	Leu	Ser Gln	Glu Leu	His	Lys	Leu Gln Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Gly Thr Pro	NH ₂
15	Val Leu	Gly	Lys	Leu	Ser Gln	Glu Leu	His	Lys	Leu Gln Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Gly Thr Pro	NH ₂
16	Val Leu	Gly	Lys	Leu	Ser Gln	Glu Leu	His	Lys	Leu Gln Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Asn Thr Tyr	NH ₂
17	(ACHN) Val Leu	Gly	Lys	Leu	Ser Gln	Glu Leu	His	Lys	Leu Gln Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Asn Thr Tyr	NH ₂
18	Ac- Leu Ser Thr Ala Val Leu	Gly	Lys	Leu	Ser Gln	Glu Leu	His	Lys	Leu Gln Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Gly Thr Pro	NH ₂
19	Ac- Leu Ser Thr Ala Val Leu	Gly	Lys	Leu	Ser Gln	Glu Leu	Alb	Lys	Leu Gln Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Gly Thr Pro	NH ₂
20	Isocaproyl- Ser Thr Ala Val Leu	Gly	Lys	Leu	Ser Gln	Glu Leu	His	Lys	Leu Gln Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Gly Thr Pro	NH ₂
21	H Leu Ser Thr Ala Val Leu	Gly	Lys	Leu	Ser Gln	Glu Leu	His	Lys	Leu Gln Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Gly Thr Pro	NH ₂
22	Adamantacetyl- Ser Thr Ala Val Leu	Gly	Lys	Leu	Ser Gln	Glu Leu	His	Lys	Leu Gln Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Gly Thr Pro	NH ₂
23	CH ₃ CO Ser Thr Ala Val Leu	Gly	Lys	Leu	Ser Gln	Glu Leu	His	Lys	Leu Gln Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Gly Thr Pro	NH ₂
24	Cyclohexylpropionyl- Ser Thr Ala Val Leu	Gly	Lys	Leu	Ser Gln	Glu Leu	His	Lys	Leu Gln Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Gly Thr Pro	NH ₂
25	Cyclopentyl C(O)- Ser Thr Ala Val Leu	Gly	Lys	Leu	Ser Gln	Glu Leu	His	Lys	Leu Gln Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Gly Thr Pro	NH ₂
26	Decanoyl- Ser Thr Ala Val Leu	Gly	Lys	Leu	Ser Gln	Glu Leu	His	Lys	Leu Gln Thr Tyr Pro Arg Thr Asn	Thr Gly Ser Gly Thr Pro	NH ₂